Notice of Allowability	Application No.	Applicant(s)	
	10/088,130	HEITMANN, JUERGEN	
	Examiner	Art Unit	
	Man Phan	2665	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *communications filed 03/13/2002*.

2. ☒ The allowed claim(s) is/are *15-28 (Claims are renumbered as 1-14 respectively)*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☒ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 3/13/2002
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Reasons for allowance

1. The application of Heitmann for the "Arrangement for synchronizing communication system components coupled via a communication network" filed 03/13/2002 has been examined. This application is a national stage entry of PCT/DE00/03105 International Filing Date: 09/07/2000. This application claims foreign priority based on the application 19943779.3 filed September 13, 1999 in Germany. Receipt is acknowledged of papers submitted under 35 U.S.C 119(a) – (d), which papers have been placed of record in the file.

2. Claims 15-28 are allowable.

3. The following is an examiner's statement of reasons for allowance: The instant application is deemed to be directed to a no obvious improvement over the prior art of record. The improvement comprises: A system for synchronizing communications system components coupled via a communications network, comprising: a time information transmitter for transmitting time information relating to the communications system components; a time information reception device in each system component for receiving time information from the time information transmitter; a clock generator in each system component with a controllable clock frequency for prescribing a transmission data rate for communication data which are to be transmitted; a real time clock in each system component whose timing is controlled by the clock generator; a comparison device in each system component for comparing received time

information with a current time value indicated by the real time clock; a clock frequency controller in each system component for controlling the clock frequency of the clock generator based on a comparison result from the comparison device; an input buffer in each system component for buffering a data stream received via the communications network, where reading of data elements in the data stream from the input buffer is determined by the clock frequency of the clock generator; a filling level detection device in each system component for detecting a filling level of the input buffer; and a clock frequency controller in each system component for readjusting the clock frequency of the clock generator based on the detected filling level, as expressly recited in the claims.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The Wolf (US#6,707,828) is cited to show the synchronization of a network element in a synchronous digital communications network.

The Slater (US#6,560,245) is cited to show the telecommunications system.

The Kasurinen (US#6,317,475) is cited to show the synchronization of telecommunications network.

The Branstad et al. (US#5,533,021) is cited to show an apparatus and method for segmentation and time synchronization of the transmission of multimedia data.

The Le Scolan et al. (US#2005/0237928) is cited to show method and device for the synchronization between two networks.

The Bevan et al. (US#6,990,517) is cited to show the synchronization modeling using templates and network management system.

The Fine (US#4,894,846) is cited to show the method for maintaining a correct time in a distributed processing system.

The Kawamoto (US#6,516,419) is cited to show the network synchronization method and non-break clock switching method in extended bus connection system.

The Nomura et al. (US#6,757,304) is cited to show the method and apparatus for data communication and storage wherein a IEEE-1394/firewire clock is synchronized to an ATM network clock.

The Kushi (US#6,714,563) is cited to show network clock synchronization scheme.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Man U. Phan whose telephone number is (571) 272-3149. The examiner can normally be reached Monday through Friday from 6:00 am to 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached on (571) 272-3134. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at toll free 1-866-217-9197.

MPhan

Mar. 08, 2006

MAN U. PHAN
PRIMARY EXAMINER